

APPENDIX K

Appendix K

Source Water Protection Team Agenda
January 27, 1998

- 10:00 a.m. Welcome and Introductions
- 10:15 a.m. Final Source Water Assessment Program (SWAP) Guidance Review
- 11:00 a.m. Current Conceptual SWAP Review
- 11:45 a.m. Set-Asides for SWA's
- 12:00 p.m. Lunch – Box lunches provided
- 12:30 p.m. Source Water Protection Team Tasks
- 1:30 p.m. General Discussions on Delineation, Inventory, Susceptibility Determinations, etc.
- 2:15 p.m. Response to EPA's Key Issues
- 3:00 p.m. Adjourn

Inbox

Received: JANUARY 28, 1998 09:10am Sent: JANUARY 28, 1998 09:08am
From: GPEAKS.VDH.STATE.VA.US <GPEAKS.VDH.STATE.VA.US>
To: CREST(Charles Rest), RCONNER(R.E. Conner), RWHITNER(Raymond Whitner),
RMORRISSETTE(Randall Morrisette), RVANLIER(Robert Vanlier), KTAYLOE(Kimberly Tayloe), AWEBER(Alan
Weber), AMCTHENIA(Andrew McThenia), LIBARKIN@EROLS.COM
Subject: Source Water Protection Team
Cc: TGRAY(Thomas Gray)

The first meeting of the TEAM was held on Jan.27,1998 and the agenda for the day was followed . The goal of this meeting was to bring the TEAM members up to date on EPA's guidance and DWSE's concept of a possible SWAP. The general consensus was to begin our tasks with the full TEAM involved in each step and if deemed necessary, later ,to consider subcommittees on specific issues.The KEY ISSUES found on page 2-5,table 1,of the guidance documents was discussed. In general, it was felt that the state had done an acceptable job on ISSUE 1. Relative to ISSUE 2,a suggestion was made to use news releases and our web site to advise the public at various points in the development of the SWAP what we intend to do and to request comment.ISSUE 3 received considerable attention and the consensus was to be very cautious in using the public in performing assessment duties.One idea that was felt to have merit to consider later was making the SWAP information available to the consumers as we begin the assessments on a particular source so they could help identify possible contaminate sources i.e. buried chemical drums etc.Overall, educating the public was considered important.

----- End of Message -----

Jan 27
1998
meeting minutes



COMMONWEALTH of VIRGINIA

Department of Health

RANDOLPH L. GORDON, M.D., M.P.H.
COMMISSIONER

P O BOX 2448
RICHMOND, VA 23218

TDD 1-800-828-1120

MEMORANDUM

DATE: February 6, 1998
TO: Source Water Protection Team
FROM: Jerry Peaks/Charles Rest
SUBJECT: 2nd Meeting – February 23, 1998
Emphasis – Delineations

AGENDA

- 10:00 Presentation of Groundwater Under the Direct Influence of Surface Water Determination (GUDIS) – Jerry Peaks
- 10:20 Presentation of Phase II/V Vulnerability Analysis – Ray Whitner
- 10:45 Review Guidance Document Related to GW Delineations
- 11:00 Address Transient Noncommunity (TNC) Waterworks Process
- 11:20 Address Community (C) and Nontransient Noncommunity (NTNC) Waterworks Delineation Methods
 - review mailouts/handouts
 - advantages/disadvantages of methods
 - obtain consensus on method(s)
- 12:00 Box Lunch
- 12:30 Cont'd GW Discussions

MEMORANDUM
February 6, 1998
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1:30 Address Surface Water Delineation Criteria

- review guidance document related to surface delineations
- review EPA document on delineating surface sources
- obtain consensus on method(s)

3:00 Adjourn

It is important that each member has read and contemplated the EPA State Source Water Assessment and Protection Programs Final Guidance document especially concerning Delineation issues. Attached is additional information related to delineation methods, which we hope will illustrate the advantages and disadvantages of the various methods. As in all programs developed to protect the public's health, we need to be mindful of the benefits relative to the cost in dollars and time. Please keep in mind the siting and construction standards and the bacteriological and chemical monitoring requirements of the *Waterworks Regulations*; the VDH surveillance program; previous groundwater source assessments; and the SWAP as a first step in an ongoing source water protection effort as you consider delineation methods.

We hope to have a highly successful meeting. See you there!

Surface Water Delineation

Feb. 23, 1998

Hand written notes indicate
decisions made.

- I. Setback from water body – 100 – 500ft. *1000 ft.*

*1000' relates well to the previously decided 1000' fixed
radius for groundwater sources*

- II. Upstream (main stem(s))

- a. 0-5 miles – inventory all sources of the significant potential sources of
contamination.

- b. >5 miles – GIS layer sites (NPDES, Tire Piles, landfills, etc) *on watershed map*
~~available to owner.~~

No further inventory.

- III. Upstream (tributaries) – entering main stem(s) – *total distance from intake
equals 5 miles.*

- a. 0-0.5 miles above intake – See II a. & b. above

- b. >0.5 ≤ 5 miles – inventory sites on GIS layers

- c. >5 miles – no further inventory - See II b. above

- IV. Downstream (Tidal only) – case by case

*MAPS - will include entire watershed
Intermittent tributaries - same as tributary criteria - use USGS maps*



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MEMORANDUM

DATE: March 10, 1998

TO: Source Water Protection Team

FROM: *Jerry*
Jerry Peaks/Charles Rest

SUBJECT: SWAP Team Meeting – February 23, 1998

The second SWAP Team Meeting was held and the attached agenda was followed. The 10:00 am and the 10:20 am presentations were given as background on efforts previously made by VDH staff relative to susceptibility/vulnerability assessments of groundwater sources. The Final Guidance Document (10:45 am) was quickly reviewed relative to Ground Water delineations.

A discussion of the 11:00 am agenda item, "TNC" process, covered a range of issues. The guidance indicates that the minimum SWAP requirements for TNC's were to address the two regulated contaminants i.e. microbes and nitrates. The team discussed, in particular, a concern about Leaking Underground Storage Tanks (LUSTs) and whether to include them on inventories and in the susceptibility determinations. It was concluded to use the same delineation criteria that we would decide upon for community systems; to limit the inventory and susceptibility determinations to microbes and nitrates; and to show locations of USTs within the delineation area that was available on existing GIS layers as information for the owner.

Considerable discussion of the 11:00 am agenda item ensued with reference made to previous mailouts and new handouts provided at the meeting. The six- (6) general methods suggested by the Final Guidance were discussed and their pros and cons considered. Based on all of the information available, it was decided that we would recommend a 1000-ft. fixed radius as the sourcewater assessment area (area of delineation). For GUDIS that had an obvious stream or "sinking stream" source, the surface delineation criteria would be utilized.

The 1:30 pm agenda item, addressing Surface Water delineation criteria, was also discussed after reviewing specific items in the Final Guidance Document. The draft discussion paper, attached, on Surface Water Delineation was used as a springboard for discussion. The handwritten notes indicate decisions made. Rob volunteered to investigate further whether it would be more appropriate to utilize Time of Travel (TOT) rather than distance to establish the delineation distance above the intake.

MEMORANDUM

March 10, 1998

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The assignment for the entire TEAM was to further consider the 1000-ft. set back distance for surface delineation.

Also, VDH staff was to evaluate whether the 1000-ft. set back distance would sufficiently cover (delineate) the intermittent streams entering the surface source. This was to be accomplished by viewing topos for surface sources in their field office.

In addition to the above assignments, which are intended to bring closure to the "Delineation" exercise, we should utilize a portion of the next meeting to discuss what we intend to inventory i.e. the "significant potential sources" of contamination. Please review pages 2-7 paragraph 3; pages 15, 16, and 17 Significant Potential Sources; and Appendix E of the Guidance Document.

The next meeting date has been scheduled for April 22, 1998 from 10:00 a.m. until 3:00 p.m. at Sydnor.

Attachments



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MEMORANDUM

DATE: April 13, 1998
TO: Source Water Protection Team
FROM: *Jerry* Jerry Peaks/Charles Rest
SUBJECT: 3rd Meeting - April 22, 1998
Emphasis - Delineations/Inventory

AGENDA

- 10:00 Discussion and changes to minutes from the February 23, 1998 meeting.
- 10:15 Discussion of Team assignment to "further consider the 1000-ft. set back distance for surface delineation". VDH staff reports on their evaluation "whether the 1000-ft. set back distance would sufficiently cover (delineate) the intermittent streams entering the surface source".
- 10:45 Report on Time of Travel vs. distance to establish the delineation distance above a surface intake.
- 11:15 Conjunctive Delineation
- 11:45 Close delineation criteria
- 12:00 Box Lunch (provided)
- 12:30 Inventory Discussions
 - Significant Potential Sources of Contamination re: pages 2, 15 and 17

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- 1:45 Comments from Jerry Peaks on Ground Water Protection Council Policy Meeting
- 1:50 Update on GPS/GIS efforts
- 2:00 Update on SWPP RFP
- 2:10 Handout - draft SWAP document
- 2:20 Advise of TAC meeting and recommendations to TAC
- 2:30 Key Issues - Tables
- 2:55 Next Meeting
- 3:00 Adjourn



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MEMORANDUM

DATE: April 28, 1998
TO: Source Water Protection Team
FROM: Jerry Peaks/Charles Rest *JP*
SUBJECT: SWAP Team Meeting Minutes – April 22, 1998

The third SWAP Team Meeting was held and the attached agenda was followed. The minutes from the February 23, 1998 meeting were accepted.

The 10:15 a.m. agenda item was postponed in order to hear Rob VanLier's report on the possibility of utilizing Time of Travel (TOT) in lieu of distance as a delineation criteria for surface supplies. Rob had performed an excellent review and provided documents relative to TOT. Based on Rob's report and the Team member's previous knowledge and understanding of the advantages and disadvantages of TOT, it was decided that we would not use TOT.

The 10:15 a.m. agenda item discussion garnered considerable new incite into the surface delineation criteria. Andy presented a map of a watershed in his area, which assisted us in visualizing our deliberations about a 5-mile delineation and the 1000-ft set back issue. Rob pointed out that DEQ's Water Quality Standards presently use the 5-mile delineation and topographic boundaries as appropriate. It was the consensus to recommend for the surface water delineation criteria a 5-mile distance (upstream) on the main stem(s) and all tributaries and not to use a 1000-ft. setback distance. If there are topographic boundaries within the 5-mile distance, which better define the watershed, these boundaries will be used. This allows for complete coverage of the watershed up to 5-miles for our inventory activities. As previously decided, beyond the 5-miles we will still include on maps the locations of contaminant sources available on GIS layers.

The 11:15 a.m. agenda item, Conjunctive Delineation, was discussed with reference to Appendix D of the Final Guidance. The consensus from the Team was that our current delineation criteria, compiled with VDH's groundwater under the influence of surface water determinations adequately addressed conjunctive delineation. All surface streams, lakes, etc. within the source water protection area delineated will be shown on the maps.

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April 28, 1998
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The delineation criteria discussion was closed with the attached describing the consensus of the Team.

The 12:30 p.m. agenda item, Inventory Discussions, began our detailed deliberations of the potential sources of contamination that we felt were significant. We concluded that there are many potential sources of contamination that may or may not be "significant" due to quantity of contaminant, on-site contaminant containment, geological properties, etc. It was decided that a list would be developed of potential sources of contamination that we would inventory. We would title this list as "Significant" sources of contamination. After the inventory, the actual "significance" would be determined and incorporated into the Susceptibility Determinations.

Appendix E of the Final Guidance Document was reviewed as well as VDH's Phase II/V inventory list and a list developed by the State of Florida. The attached list is a compilation of the agreed upon "significant" potential sources of contamination. This is our first draft and there may be changes to sources as well as the addition of qualifying criteria (i.e. greater than 100 lbs., 10 acres or more, etc.) to some sources.

A handout of a draft SWAP that incorporates many of our deliberations was distributed.

The assignments for the Team are as follows:

1. Review and comment on the Draft SWAP.
2. Review and comment on the draft list of "Significant" Potential Sources of Contamination.
3. Consider the implementation impacts of the list on those that will be performing the inventory.
4. Consider (and research if interested) the next issue – Susceptibility Determinations.

The next meeting will be announced later.

Attachments



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MEMORANDUM

DATE: June 8, 1998

TO: Source Water Protection Team

FROM: Jerry Peaks/*Charles West*

SUBJECT: SWAP Team Meeting Minutes – June 2, 1998

The fourth SWAP Team Meeting was held and the attached agenda was followed. The minutes from the April 22, 1998 meeting were accepted.

The 10:15 a.m. agenda item discussion relative to the surface delineation criteria resolved an issue concerning whether the 5-mile delineation was the watershed within a 5-mile radius or the watershed bounded by a 5-mile distance (upstream) on the main stem(s) and all tributaries. The consensus was the latter. If there are topographic boundaries within the 5-mile distance, which better define the watershed, these boundaries will be used. This allows for complete coverage of the watershed up to 5-miles (river reach) for our inventory activities. This also matches DEQ's definitions and criteria for the water quality standards associated with water supply intakes.

The issue of proposing two (2) zones for groundwater delineation in order to match the two (2) proposed for surface water was readily accepted with zone 1 being the required well lot. This was one of those "assumed" criteria that certainly needed to be added to the description.

For the "suspected" feature for GUDIS, it was the consensus to add as a case-by-case criteria.

The 11:15 a.m. agenda item discussion concerned Robert Royall's letter dated May 8, 1998. The consensus was to have a separate table entitled "Potential Conduits of Contamination" or similar title.

The 11:30 a.m. agenda item relative to the usage of the term "significant" in association with potential sources of contamination resulted in recommending the removal of the term significant from the inventory table(s). Usage of the term "significant" in the text was not felt to be a major item and I have used "poetic license" to propose a minor change to "potential significant sources of contamination" since our concept was to inventory "potential" sources and determine their

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"significance" during the susceptibility determination phase. The EPA Title III List of Lists was discussed but at this time its usefulness to establish "threshold quantities" for potential contaminant sources inventory was deemed to be limited.

The 1:00 p.m. agenda item on Susceptibility Determinations (SD) was an information sharing and brain storming session. There does not appear to be definitive guidance from EPA nor is a lot of information available from other states. Handouts were provided as resource information plus Andy and Ray presented information that will be copied and forwarded to each member.

The attached list is a result of our "brain storming" on parameters that may be valuable in performing SDs. There was no attempt to validate any item and all thoughts were encouraged.

The status of the remaining agenda items with the exception of the key issues was discussed.

The latest draft of the SWAP was handed out. Future drafts will have changes marked for easy reference.

The assignments for the TEAM prior to the next meeting are as follows:

1. Review and comment on the Draft SWAP.
2. Review all available information on Susceptibility Determinations.
3. Prepare to focus on methods/procedures, etc. for Susceptibility Determinations.

Attachments: Brain storming list
Revised Inventory tables



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MEMORANDUM

DATE: May 26, 1998

TO: Source Water Protection Team

FROM: *Jerry Peaks* Charles Rest

SUBJECT: 4th Meeting – June 2, 1998
Emphasis – Delineations/Inventory/Susceptibility Determination

AGENDA

10:00 Discussion and changes to minutes from the April 22, 1998 meeting.

10:15 Consider TAC suggestions on delineation:

- Surface language
- Two (2) zones for groundwater
- Suspected feature for GUDIS

11:15 Consider Robert Royall's letter

11:30 Inventory Discussions

- Significant Potential Sources of Contamination – name change to Potential Significant...
- Threshold Quantities – Sara Title III and e-mail request

12:00 Box Lunch (provided)

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1:00 Susceptibility Determination discussion
2:00 Update on SWPP RFP
2:10 Update on draft SWAP document
2:20 Update on GPS/GIS efforts
2:30 Key Issues – Tables
2:55 Next Meeting
3:00 Adjourn

Attachments: Criteria
Robert Royall's letter



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MEMORANDUM

DATE: July 24, 1998
TO: Source Water Protection Team
FROM: Jerry Peaks/Charles Rest *Jerry*
SUBJECT: SWAP Team Meeting Minutes – July 7, 1998

The fifth SWAP Team Meeting was held and the previously provided agenda was followed. The minutes from the June 2, 1998 meeting were accepted.

The 10:15 a.m. agenda item relative to the delineation criteria recommendations of the TAC were discussed and accepted by the TEAM. Attached is the criteria sheet. The TEAM recommended some clarification to the GUDIS language, which the author has revised and is attached for your comments. Also, an ASTM standard was handed out which is the basis for the Zone 2 for groundwater.

The 11:15 a.m. agenda item discussion was related to our inventory list(s). The TAC had recommended a separate table for the Transient Noncommunity sources. The attached Tables 1, 2, and 3 were handed out. Because we are waiting for some additional input from two TAC members on stocking rates under the agriculture item and the Resource Extraction issue, the tables are considered draft. In addition, the TAC recommended that the TEAM investigate and evaluate the use of the Standard Industrial Classification (SIC) Manual. Charles, Ray and Bruce volunteered to perform this task.

For the 11:30 a.m. agenda item relative to an update on the SWPP RFP, it was reported that the Virginia Rural Water Association was the selected contractor and will soon begin contacting and encouraging waterworks to develop Source Water Protection Programs.

For the 11:35 a.m. agenda item, a revised SWAP document was handed out.

For the 11:45 a.m. agenda item, it was reported that bids were accepted for the GPS equipment and it should be delivered soon. Efforts are being made to hire a contract GIS guru to advise the Division on such matters and to translate data to GIS format.

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The 12:30 p.m. agenda item on Susceptibility Determinations (SD) was a second information sharing and brain storming session. There does not appear to be definitive guidance from EPA nor is a lot of information available from other states. Handouts were provided as resource information. Alan reported on a joint meeting held with the SWAP people from the EPA Region 3 states. General comments from our TEAM included (but was not limited to) keeping the ranking system relatively simple; utilizing existing databases, maps, etc.; having a point system to limit subjectivity; Minnesota and Idaho's type of system looked promising; tie in (relate) to the Inventory; difficulty (or impossibility) of performing a S.D. contaminant by contaminant; etc. The TEAM decided to have two separate subcommittees to each develop a strawman for the groundwater sources and they would make these available for comment by fax in the last week of July. After the TEAM decides on a system for groundwater, the surface water system will be developed. The two subcommittees are Charles, Ray, Ron and Alan, Randy, Jesse and Rob. Other TEAM members should study the handouts and be prepared to give input.

Ron Conner volunteered to begin a "definition" section to include in the SWAP document.

It appears that the next meeting will be in late August due to vacation schedules and that we may have to meet twice a month in September in order to complete this difficult task relative to Susceptibility Determination.

Attachments: Delineation Criteria Sheet with revised Language for GUDIS dated 7/24/98
Revised Inventory tables (3) dated 7/7/98
Revised Inventory table 3 dated 7/24/98



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MEMORANDUM

DATE: June 19, 1998

TO: Source Water Protection Team

FROM: *Jerry*
Jerry Peaks Charles Rest

SUBJECT: 5th Meeting – July 7, 1998
Emphasis – Delineations/Inventory/Susceptibility Determination

AGENDA

- 10:00 Discussion and changes to minutes from the June 2, 1998 meeting.
- 10:15 Consider TAC suggestions on delineation:
- Surface language – back to radius
 - Two (2) zones for groundwater – to match surface zones
 - Suspected feature for GUDIS – no longer a concern
- 11:15 Inventory Discussions
- Robert Royall's letter
 - Significant Potential Sources of Contamination – name changes
 - TAC revisions
- 11:30 Update on SWPP RFP
- 11:35 Update on draft SWAP document
- 11:45 Update on GPS/GIS efforts

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12:00 Box Lunch (provided)

12:30 Susceptibility Determination discussion

2:55 Next Meeting

3:00 Adjourn

Attachments: Criteria



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MEMORANDUM

DATE: July 24, 1998
TO: Source Water Protection Team
FROM: Jerry Peaks/Charles Rest *Jerry*
SUBJECT: 6th Meeting – August 11, 1998
Emphasis – Inventory/Susceptibility Determination

AGENDA

- 10:00 Discussion and changes to minutes from the July 7, 1998 meeting
- 10:15 Consider suggestions on delineation language for GUDIS
- 10:30 Inventory Discussions
 - SIC Committee Report
 - Tables 1, 2, and 3 comments
- 11:00 Update on GPS/GIS efforts
- 11:15 Susceptibility Determination Committee Reports
- 12:00 Box Lunch (provided)
- 12:30 Susceptibility Determination discussion continued
- 2:55 Next Meeting date
- 3:00 Adjourn



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MEMORANDUM

DATE: August 13, 1998

TO: Source Water Protection Team

FROM: Jerry Peaks/Charles Rest *Jerry*

SUBJECT: SWAP Team Meeting - August 11, 1998

The sixth SWAP Team Meeting was held and the previously provided agenda was followed. The minutes from the July 7, 1998 meeting were accepted.

The 10:15 a.m. agenda item relative to clarifying the delineation criteria for the GUDIS was revised and is attached.

The 10:30 a.m. agenda item discussion was related to Tables 1, 2, 3 and the TAC recommendation that the TEAM investigate and evaluate the use of the Standard Industrial Classification (SIC) Manual. Charles, Ray and Bruce performed an evaluation of using the SIC codes and reported to the full TEAM. As a part of the report, new Tables of Land Use/Activity Inventory were created which followed the SIC codes with their associated classification names. Attached are the tables and the transmittal memo describing how the tables were developed.

After much discussion, the TEAM decided to recommend to the TAC that SIC codes be utilized in some manner since they were a recognized standard classification system and also since the manual includes descriptions of the classifications which would aid whomever was performing the inventory. The TEAM also decided to recommend to the TAC that the original table format be utilized with the appropriate SIC codes added in columns to the right of the land use/activity. Attached are examples of the recommendations. Bruce Hicks provided the TEAM with information (attached) on available software that could possibly be utilized to locate many of our listed land use/activities by SIC codes. *-TAC OK*

The TEAM also recommended alphabetizing the land use/activity by major classifications, which has been done.

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Page 2

The SIC system has been revised (1997) to standardize the classification system between the US, Canada and Mexico. The new coding will be utilized in our final product.

Further discussion of the original Table 1 and 2 resulted in a decision to ask the TAC if the Crop Land heading needed to have the current three subheadings i.e. crop, fodder, specialty. Are the chemicals etc. applied different enough to need separate headings? Also, the TEAM wanted the TAC to consider whether the Caves/Sinkholes for surface sources under Special Cases was needed. It appears that the 5-mile radius would cover this issue. *did not cover*

Relative to Table 3, Potential Conduits to Groundwater, Mr. Andrew Stone's letter (attached) of July 23, 1998 was considered. The TEAM essentially agreed to the request and the revised language is found on the attached Table 3.

The 11:15 a.m. agenda item on Susceptibility Determinations (SD) began with reports of the two separate subcommittees who had been tasked to each develop a strawman for the groundwater sources.

It was agreed that the more complete strawman would serve as the basis for discussion with the other report and today's brainstorming as other possible areas/items to include. After significant discussions, the attached draft was developed and rewritten following the meeting. This draft will be recommended as a strawman to the TAC for further ideas and/or concurrence. It is expected that both the TAC and the TEAM will want to polish this draft in some areas. The assigned points are recognized as needing further evaluation.

The two subcommittees were tasked with developing strawmen for the surface water susceptibility determination to present at the next meeting.

Ron Conner has not yet completed his task of developing a "definition" section to include the SWAP document.

The next meeting will be September 3, 1998.

Attachments: Delineation Criteria Sheet with revised Language for GUDIS dated 8/17/98
Revised Inventory tables (2) dated 8/5/98 and cover memo
Revised Inventory tables (1) dated 8/18/98 and analysis sheet
Harris InfoSource 1997 Industrial Directory Disc
Andrew Stone's 7/23/98 letter and revised table 3 dated 8-18-98
Draft Susceptibility Determination Protocol dated 8/13/98



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MEMORANDUM

DATE: September 22, 1998

TO: Source Water Protection Team

FROM:  Jerry Peaks/Charles Rest

SUBJECT: SWAP Team Meeting – September 3, 1998

The seventh SWAP Team Meeting was held and the minutes from the August 11, 1998 meeting were accepted.

The meeting was devoted to reviewing the "strawman" for the surface water susceptibility determination as provided by Ray, Charles, Ron, and Bruce. They are to continue researching how to use contaminant concentrations in the rating system. Alan, Randy, and Rob are to develop a second "strawman" along the line of the Arizona rating system.

The next meeting is scheduled for 9:00 a.m. on September 30, 1998 with a possible extension to October 1, 1998.

GWP/teh



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MEMORANDUM

DATE: October 2, 1998
TO: Source Water Protection Team
FROM: Jerry Peaks/Charles Rest *Jerry*
SUBJECT: SWAP Team Meeting - September 30, 1998 and October 1, 1998

The eighth SWAP Team Meeting was held on two consecutive days.

Much of the meeting was devoted to reviewing two "strawmen" for the surface water susceptibility determination as provided by the two subcommittees.

The TEAM decided to recommend to the TAC the strawman proposed by "Rob's" subcommittee. If the TAC did not favor this concept, "Charles'" subcommittee strawman would be presented. Copies of the latest drafts of the strawman will be provided at a later date. (Please note that "Rob's" subcommittee strawman, if accepted, would replace the previous groundwater concept.)

Considerable effort was expended in assigning "expected" contaminants of concern and health risk ranking to each line item on the Land Use/Activity Inventory tables. "Charles'" subcommittee will prepare additional tables that include these items. Also a narrative description of the "logic" used to assign the health risk rankings will be provided. Ray will make a contact with a fire official and Alan will investigate photo processing in order for us to assign contaminants of concern and health risk ratings for these two items.

Jerry will continue to attempt to get input from Lynn Haynes relative to resource extraction. Without this input, the TEAM will recommend collapsing the line items to four categories: coal mining, petroleum mining, sand and gravel mining, and other mining.

The TEAM felt it necessary to document herein that we do not support a statewide ranking of waterworks relative to one another.

The next meeting is scheduled for 8:00 a.m. on October 28, 1998 at the Abingdon Field Office. This time and location was chosen because four of the TEAM will be there and the others present thought it was a good idea.

GWP/teh